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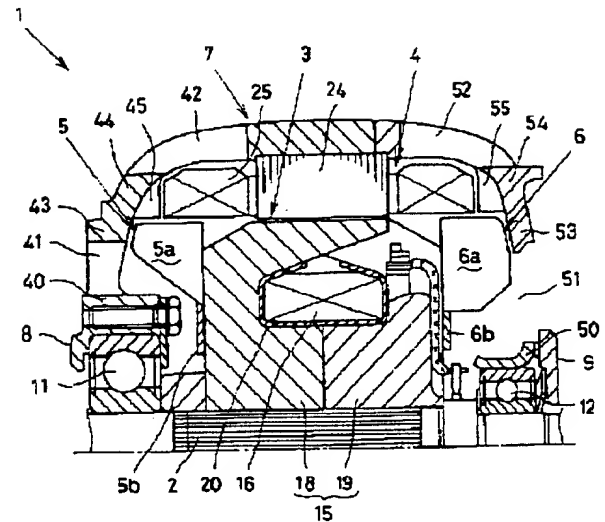
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TITLE : AC GENERATOR



ABSTRACT : PROBLEM TO BE SOLVED: To sharply reduce the wind cutting sound and improve cooling effect of a three-phase stator coil by suppressing the disturbance of the cooling wind in the vicinity of a plurality of discharge ports of a housing.

SOLUTION: Many salient rectification guides 45 and 55 are arranged in circumferential direction at the inwall of the extended walls 45 and 54 provided on the side of plural discharge ports 42 and 52 more than the shrouds 43 and 53 of a housing 7. Hereby, the cooling wind going in roughly radial direction of the shaft 2 obtained by the rotation of the plural sheets of cooling wings 5a and 6a of cooling fans 5 and 6 are rectified to flow efficiently and smoothly, whereby the collision against the surface of the three-phase stator coil 25 or the inwall face of the housing 7 is lightened and the disturbance of the cooling air in the vicinity of the plural discharge ports 42 and 52 of the housing 7 is suppressed, whereby the wind cutting sound becomes small sharply.

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